

What is claimed is:

1. A radio base station apparatus comprising:

5 a determining section that determines a transfer rate of data transferred from a radio network control apparatus;

a storage section that temporarily stores data transferred from said radio network control apparatus at said transfer rate;

10 a transmission section that transmits the data stored in said storage section to a mobile terminal apparatus by radio;

a wait time measuring section that measures a wait time of the data in said storage section; and

15 a transmission rate calculation section that calculates an average transmission rate of data transmitted to said mobile terminal apparatus by radio,

wherein said determining section uses a value obtained by multiplying said average transmission rate by a coefficient according to said wait time as said transfer rate.

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2. The radio base station apparatus according to claim 1, further comprising a data amount measuring section that measures the amount of data stored in said storage section,

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wherein said wait time measuring section regards a value obtained by dividing the amount of data measured

by said data amount measuring section by the average transmission rate calculated by said transmission rate calculation section as said wait time.

- 5 3. The radio base station apparatus according to claim 1, further comprising a data amount measuring section that measures an amount of data stored in said storage section,

wherein said transmission rate calculation section
10 calculates an actual average transmission rate when the amount of data measured by said data amount measuring section is equal to or greater than a threshold and calculates a virtual average transmission rate when the amount of data measured by said data amount measuring
15 section is less than the threshold.

4. The radio base station apparatus according to claim 1, further comprising an adding section that adds time information to data when the data is input to said storage
20 section,

wherein said wait time measuring section measures said wait time from the time indicated by said time information and the time at which said data is output from said storage section.

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5. A radio network control apparatus comprising:

a transfer section that transfers data to said radio base station apparatus according to claim 1 at a transfer

rate determined by said radio base station apparatus;
and

a control section that performs retransmission
control of data based on a selective retransmission type
5 retransmission control protocol,

wherein said transfer section notifies said control
section of said transfer rate so as to match the transfer
rate at said transfer section to the transfer rate at
said control section.

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6. A transfer rate determining method used at a radio
base station apparatus, comprising the steps of:

determining a transfer rate of data transferred from
a radio network control apparatus;

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temporarily storing data transferred from said
radio network control apparatus at said transfer rate
in a buffer; and

sending the data stored in said buffer to a mobile
terminal apparatus by radio,

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wherein a value obtained by multiplying an average
transmission rate of data sent to said mobile terminal
apparatus by radio by a coefficient according to a wait
time of data in said buffer is regarded as a transfer
rate of the data transferred from the radio network control
25 apparatus.

7. The transfer rate determining method according to claim
6, wherein the transfer rate of data transferred from

said radio network control apparatus is set to 0 to stop the data transfer when the amount of data stored in said buffer is equal to or greater than a threshold.